

ABSTRACT

In an object-oriented data processing system, methods and systems in accordance with the present invention provide a proxy class dynamically generated at runtime that implements a list of interfaces specified at runtime such that a method invocation through an interface on an instance of the class is encoded and dispatched uniformly to an object that performs the invocation of the requested method. The generation of the proxy class at runtime and the specification at runtime of the list of interfaces implemented by the proxy class allow the interfaces to be used to be chosen at runtime before generation of the proxy class. Since the proxy class does not need to be created before compile time, the interface list implemented by the proxy class does not need to be known at the time the source code is written.

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